

Title (en)

PHYSICAL EXERCISE APPARATUS AND METHOD FOR TRAINING ON SUCH AN APPARATUS

Title (de)

VORRICHTUNG FÜR KÖRPERLICHE BETÄTIGUNG UND VERFAHREN ZUM TRAINING AUF SOLCH EINER VORRICHTUNG

Title (fr)

APPAREIL D'EXERCICE PHYSIQUE ET MÉTHODE D'ENTRAÎNEMENT SUR UN TEL APPAREIL

Publication

EP 3883844 A1 20210929 (FR)

Application

EP 19805969 A 20191120

Priority

- FR 1871683 A 20181121
- EP 2019081983 W 20191120

Abstract (en)

[origin: CA3119670A1] An exercise bike (2) having a saddle comprising a frame (262), two harnesses (266) and members (267, 268) for connecting the harnesses to the frame about the pitch axis (A26, the roll axis (B26) and the yaw axis (L26). Sensors (30, 50) are provided for detecting pitch movements (P), roll movements (R) and yaw movements (Y) for each harness about the axes, these movements resulting in pedalling. An arithmetic unit (40) determines, from the sensor outputs (S30, S50), the angular amplitudes (.ALPHA., .BETA., .GAMMA.) of said movements. A screen (29) is provided for displaying, in relation to the angular amplitudes determined by the arithmetic unit (40), the position on each harness of a support (PG, PD) for the pedalling user's ischium.

IPC 8 full level

B62J 1/00 (2006.01); **A63B 22/00** (2006.01); **A63B 22/06** (2006.01); **A63B 23/04** (2006.01); **A63B 24/00** (2006.01); **A63B 71/06** (2006.01); **B62J 1/08** (2006.01); **B62J 45/415** (2020.01)

CPC (source: EP US)

A63B 22/0046 (2013.01 - EP); **A63B 22/0605** (2013.01 - EP US); **A63B 23/0476** (2013.01 - EP); **A63B 24/0062** (2013.01 - US); **A63B 24/0087** (2013.01 - EP); **B62J 1/005** (2013.01 - EP); **B62J 1/08** (2013.01 - EP); **B62J 45/4151** (2020.02 - EP); **B62J 45/4152** (2020.02 - EP); **A63B 2024/0028** (2013.01 - US); **A63B 2071/0652** (2013.01 - EP); **A63B 2220/16** (2013.01 - EP); **A63B 2220/803** (2013.01 - EP); **A63B 2220/805** (2013.01 - EP); **A63B 2220/833** (2013.01 - EP); **A63B 2225/50** (2013.01 - EP); **A63B 2230/62** (2013.01 - EP)

Citation (search report)

See references of WO 2020104554A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

FR 3088555 A1 20200522; **FR 3088555 B1 20201211**; CA 3119670 A1 20200528; CN 113508074 A 20211015; CN 113508074 B 20221118; EP 3883844 A1 20210929; EP 3883844 B1 20221109; MX 2021005833 A 20211001; US 11383132 B2 20220712; US 2022040531 A1 20220210; WO 2020104554 A1 20200528

DOCDB simple family (application)

FR 1871683 A 20181121; CA 3119670 A 20191120; CN 201980076845 A 20191120; EP 19805969 A 20191120; EP 2019081983 W 20191120; MX 2021005833 A 20191120; US 201917294653 A 20191120